

# Microwave Oven

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## User manual

ME21D\*6700\*\*\*\*

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**SAMSUNG**

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## Important safety instructions

Congratulations on your new Samsung microwave oven. This manual contains important information on the installation, use and care of your appliance. Please take time to read this manual to take full advantage of your microwave oven's many benefits and features.

## WHAT YOU NEED TO KNOW ABOUT SAFETY INSTRUCTIONS

Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your microwave oven.

## PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- A. Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- B. Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on the sealing surface.
- C. Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
  - 1. Door (bent),
  - 2. Hinges and latches, (broken or loosened),
  - 3. Door seals and sealing surface.
- D. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

## IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

What the icons and signs in this user manual mean:

### WARNING

Hazards or unsafe practices that may result in **severe personal injury or death**.

### CAUTION

Hazards or unsafe practices that may result in **minor personal injury or property damage**.

### CAUTION

To reduce the risk of fire, explosion, electric shock, or personal injury when using your microwave oven, follow these basic safety precautions.



Do NOT attempt.



Do NOT disassemble.



Do NOT touch.



Follow directions explicitly.



Unplug the power plug from the wall socket.



Make sure the machine is grounded to prevent electric shock.



Call the service center for help.



Note

**These warning signs are here to prevent injury to you and others. Please follow them explicitly. After reading this section, keep it in a safe place for future reference.**

## Important safety instructions

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### 1. FCC Notice

#### FCC STATEMENT:

This equipment generates and uses ISM frequency energy and if not installed and used properly, that is in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with limits for ISM Equipment pursuant to part 18 of FCC Rules, which are designed to part 18 of FCC Rules, which are designed to provide residential installation.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following:

- Reorient the receiving antenna of the radio or television.
- Relocate the Microwave Oven with respect to the receiver.
- Move the microwave oven away from the receiver.

- Plug the microwave oven into a different outlet so that the microwave oven and the receiver are on different branch codes.

The manufacturer is not responsible for any radio of TV interference caused by unauthorized modification to this microwave oven. It is the responsibility of the user to correct such interference.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

## SAVE THESE INSTRUCTIONS

- 
- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.

**WARNING :** Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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## 2. IC Notice

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. This Class B digital apparatus complies with Canadian ICES-003. For products available in the US/Canadian markets, only channels 1~11 are available. You cannot select any other channels.

### IC RADIATION EXPOSURE STATEMENT:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated so there is at least 8 inches (20 cm) between the radiator and your body. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

**SAVE THESE INSTRUCTIONS**

## Important safety instructions

### CALIFORNIA PROPOSITION 65 WARNING

#### WARNING

Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

#### WARNING

To reduce risk of burns, electric shock, fire, personal injury or exposure to excessive microwave energy:

1. Read all safety instructions before using the appliance.
2. Read and follow the specific **Precautions to avoid possible exposure to excessive microwave energy on page 3**.
3. This appliance must be grounded. Connect only to properly grounded outlets. See Important **Grounding instructions on page 7** of this manual.
4. Install or locate this appliance only in accordance with the provided installation instructions.
5. Some products such as whole eggs and sealed containers (for example, closed glass jars) can explode if heated rapidly. Never heat them in a microwave oven.
6. Use this appliance only for its intended use as described in the manual. Do not put corrosive chemicals or vapors in or on this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
7. As with any appliance, close supervision is necessary when it is used by children. Keep children away from the door when opening or closing it as they may bump themselves on the door or catch their fingers in the door.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be repaired or serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair, or adjustment.

### SAVE THESE INSTRUCTIONS

10. Do not cover or block any openings on the appliance.
11. Do not tamper with or make any adjustments or repairs to the door.
12. Do not store this appliance outdoors. Do not use this product near water, for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar locations.
13. Do not immerse the cord or plug in water.
14. Keep the cord away from heated surfaces. (including the back of the oven).
15. Do not let the cord hang over the edge of a table or counter.
16. When cleaning surfaces of the door and oven that come together when the door closes, use only mild, nonabrasive soaps, or detergents applied with a sponge or soft cloth. Unplug the plug before cleaning.
17. To reduce the risk of fire in the oven cavity:
  - a. Do not overcook food. Carefully attend the appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
  - b. Remove wire twist-ties from paper or plastic bags before placing the bags in the oven.
  - c. If materials inside the oven ignite, keep the oven door closed, turn the oven off, and disconnect the power cord, or shut off the power at the fuse or circuit breaker panel. If the door is opened, the fire may spread.
  - d. Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.
18. Liquids, such as water, milk, coffee, or tea can be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID. To reduce the risk of injury:
  - a. Do not overheat liquid.
  - b. Stir liquid both before and halfway through heating it.
  - c. Do not use straight-sided containers with narrow necks.
  - d. After heating, allow the container to stand in the microwave oven for a short time before removing the container.
  - e. Use extreme care when inserting a spoon or other utensil into the container.

19. Oversized foods or oversized metal utensils should not be inserted into the microwave oven as they may cause a fire or risk of electric shock.
20. Do not clean the microwave with a metal scouring pad. A piece of metal could come off the pad, contact electrical parts, and cause an electric shock.
21. Do not put paper products into the oven when you are operating it in the toaster mode.
22. Do not store any materials, other than manufacturer's recommended accessories, in this oven when not in use.
23. Do not cover the racks or any other part of the oven with metal foil. This will cause the oven to overheat.

## CAUTION

1. Clean Ventilating Hoods Frequently - Grease should not be allowed to accumulate on the hood of the filter.
2. When flaming foods under the hood, turn the fan on.
3. Use care when cleaning the vent-hood filter. Corrosive cleaning agents, such as lye-based oven cleaner, may damage the filter.

## GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electrical current. This appliance is equipped with a cord that includes a grounding wire and a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

## WARNING

Improper use of the grounding plug can result in a risk of electric shock.

- Plug into a grounded, 3 pronged outlet. Do not remove the third (grounding) prong. Do not use an adaptor or otherwise thwart the safety function of the grounding plug.
- Consult a qualified electrician or service person if you do not understand the grounding instructions or if you are not sure if the appliance is properly grounded.
- We do not recommend using an extension cord with this appliance. If the power-supply cord is too short, have a qualified electrician or serviceman install an outlet near the appliance. However, if it is necessary to use an extension cord, read and follow the 'Use of Extension Cords' section below.

## USE OF EXTENSION CORDS

A short power-supply cord is provided to reduce the risk of your becoming entangled in or tripping over a longer cord. Longer cord sets or extension cords are available and you can use them if you exercise care. If you use a long cord or an extension cord:

1. The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
2. The extension cord must be a grounding-type 3-wire cord and it must be plugged into a 3-slot outlet.
3. The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over accidentally. If you use an extension cord, the interior light may flicker and the speed of the blower may vary when the microwave oven is on. Cooking times may be longer too.

## SAVE THESE INSTRUCTIONS



## Important safety instructions

### CRITICAL INSTALLATION WARNINGS

- ★ This appliance must be installed by a qualified technician or service company.
- Failing to have a qualified technician install the oven may result in electric shock, fire, an explosion, problems with the product, or injury. Unpack the oven, remove all packaging material and examine the oven for any damage such as dents on the interior or exterior of the oven, broken door latches, cracks in the door, or a door that is not lined up correctly. If there is any damage, do not operate the oven and notify your dealer immediately.
- Make sure to install your oven in a location with adequate space. Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.
- Unplug the power plug and clean it with a dry cloth.
  - Failing to do so may result in electric shock or fire.
- Plug the power cord into a properly grounded 3 pronged outlet. Your oven should be the only appliance connected to this circuit.
- Sharing a wall socket with other appliances, using a power strip, or extending the power cord may result in electric shock or fire.
  - Do not use an electric transformer. It may result in electric shock or fire.
  - Ensure that the voltage, frequency and current provided match the product's specifications. Failing to do so may result in electric shock or fire.
- Keep all packaging materials out of the reach of children. Children may use them for play.

- ⚡ This appliance must be properly grounded. Read and follow the specific **Grounding instructions** found in the beginning of this section. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- This may result in electric shock, fire, an explosion, or problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is grounded in accordance with local and national codes.

Do not cut or remove the third (ground) prong from the power cord under any circumstances.

The microwave requires a separate branch circuit single grounded outlet of at least 15 A and max of 20 A.

- ☒ Do not install this appliance in a humid, oily, or dusty location, or in a location exposed to direct sunlight or water (rain drops).
- This may result in electric shock or fire.
- Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord, or loose wall socket.
- This may result in electric shock or fire.
- Do not mount over a sink.
- Do not pull or excessively bend the power cord.
- Do not twist or tie the power cord.
- Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.
- This may result in electric shock or fire.
- Do not pull the power cord when you unplug the oven.
- Unplug the oven by pulling the plug only.
  - Failing to do so may result in electric shock or fire.
- ✎ If the power plug or power cord is damaged, contact your nearest service center for a replacement or repair.

## SAVE THESE INSTRUCTIONS



## INSTALLATION CAUTIONS

- ★ Position the oven so that the plug is easily accessible.
  - Failing to do so may result in electric shock or fire due to electric leakage.
- 🔌 Unplug the oven when it is not being used for long periods of time or during a thunder/lightning storm.
  - Failing to do so may result in electric shock or fire.

## CRITICAL USAGE WARNINGS

- ★ If the microwave appliance is flooded, please contact your nearest Samsung service center. Failing to do so may result in electric shock or fire. Read and follow the specific '**Precautions to Avoid Possible Exposure to Excessive Microwave Energy**', found in the beginning of this Safety Information Section.
 

If the microwave generates a strange noise, a burning smell or smoke, unplug it immediately and contact your nearest Samsung service center.

  - Failing to do so may result in electric shock or fire.

In the event of a gas leak (propane gas, LP gas, etc.), ventilate the room immediately. Do not touch the microwave, power cord, or plug.

  - Do not use a ventilating fan.
  - A spark may result in an explosion or fire.

Take care that the door or any of the other parts do not come into contact with your body while the microwave is cooking or just after cooking.

  - Failing to do so may result in burns.

- ★ In the event of a grease fire on the surface units below the microwave oven, smother the flaming pan on the surface unit by covering the pan completely with a lid, a cookie sheet, or a flat tray.
 

Never leave surface units beneath your microwave oven unattended at high heat settings. Boil overs cause smoking and greasy spillovers that may ignite and spread if the vent fan is operating. To minimize automatic fan operation, use adequate sized cookware and use high heat on surface units only when necessary.

If materials inside the microwave oven should ignite, keep the oven door closed, turn the oven off and disconnect the power cord, or shut off power at the fuse or circuit breaker panel. If the door is opened, the fire may spread. Use of inadequately sized cookware on top of the stove may result in melting of microwave door or other damage.

  - Always observe safety precautions when using your microwave oven. Never try to repair the oven on your own. There is dangerous voltage inside. If the oven needs to be repaired, contact an authorized service center near you.
- ⚠ Do not attempt to repair, disassemble, or modify the appliance yourself.
  - Because a high voltage current enters the product chassis during operation, opening the chassis can result in electric shock or fire.
  - You may be exposed to electromagnetic waves.
  - If your microwave oven requires repair, contact your nearest Samsung service center.
- 🔌 If any foreign substance such as water enters the microwave, unplug it, and then contact your nearest service center.
  - Failing to do so may result in electric shock or fire.

SAVE THESE INSTRUCTIONS

## Important safety instructions

- ❑ Do not touch the power plug with wet hands.
  - This may result in electric shock.
- Do not turn the appliance off by unplugging the power plug while the appliance is in operation.
- Plugging the power plug into the wall socket again may cause a spark and result in electric shock or fire.
- Keep all packaging materials well out of the reach of children. Packaging materials can be dangerous to children.
- If a child places a bag over its head, the child can suffocate.
- Do not let children or any person with reduced physical, sensory or mental capabilities use this appliance unsupervised. Make sure that the appliance is out of the reach of children.
- Failing to do so may result in electric shock, burns, or injury.
- Do not touch the inside of the appliance immediately after cooking. The inside of the appliance will be hot.
- The heat on the inside of your microwave oven can cause burns.
- Do not put aluminum foil (except as specifically directed in this manual), metal objects (such as containers, forks, etc.), or containers with golden or silver rims into the microwave.
- These objects can cause sparks or a fire.
- Do not use or place flammable sprays or objects near the microwave oven.
- Heat from the microwave can cause flammable sprays to explode or burn.
- Failing to do so may result in electric shock or injury.
- Do not tamper with or make any adjustments or repairs to the door. Under no circumstances should you remove the outer cabinet.
- Do not store or use your microwave oven outdoors.

## USAGE CAUTIONS

- ★ If the surface of the microwave is cracked, turn it off.
  - Failing to do so may result in electric shock.Dishes and containers can become hot. Handle with care. Hot foods and steam can cause burns. Carefully remove container coverings, directing steam away from your hands and face. Remove lids from baby food before heating. After heating baby food, stir well to distribute the heat evenly. Always test the temperature by tasting before feeding the baby. The glass jar or surface of the food may appear to be cooler than the food in the interior, which can be so hot that it will burn the infant's mouth. Make sure all cookware used in your microwave oven is suitable for microwaving. Use microwavable cookware in strict compliance with such manufacturer's recommendations.
- ❑ Do not stand on top of the microwave or place objects (such as laundry, oven covers, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
  - Items, such as a cloth, may get caught in the door.
  - This may result in electric shock, fire, problems with the product, or injury.Do not operate the appliance with wet hands.
  - This may result in electric shock.Do not spray volatile material such as insecticide onto the surface of the appliance.
  - As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.Do not place the appliance over a fragile object such as a sink or glass object.
  - This may result in damage to the sink or glass object.

**SAVE THESE INSTRUCTIONS**

- ❑ Do not put your face or body close to the appliance while it is cooking or when opening the door just after cooking.
  - Take care that children do not come too close to the appliance.
  - Failing to do so may result in children burning themselves.
- Do not place food or heavy objects over the door.
  - When you open the door, the food or object may fall and this may result in burns or injury.
- Do not abruptly cool the door, the inside of the appliance, or the dish by pouring water over it during or just after cooking.
  - This may result in damage to the appliance. The steam or water spray may result in burns or injury.
- Do not cook without the glass tray in place on the oven floor. Food will not cook properly without the tray.
- Do not defrost frozen beverages in narrow-necked bottles. The containers can break.
- Do not scratch the glass of your microwave oven door with a sharp object.
  - This may result in the glass being damaged or broken.
- Do not store anything directly on top of the appliance when it is in operation.
- Do not use sealed containers. Remove seals and lids before use. Sealed containers can explode due to buildup of pressure even after the oven has been turned off.

## CRITICAL CLEANING INSTRUCTIONS

Do not clean the appliance by spraying water directly onto it.  
Do not use benzene, thinner, or alcohol to clean the appliance.

- This may result in discoloration, deformation, damage, electric shock, or fire.
- Before cleaning or performing maintenance, unplug the appliance from the wall socket. Then, remove food waste from the door and cooking compartment.

- Failing to do so may result in electric shock or fire.

Take care not to hurt yourself when cleaning the appliance.  
(external/internal)

- You may hurt yourself on the sharp edges of the appliance.

Do not clean the appliance with a steam cleaner.

- This may result in corrosion.

Keep the inside of your microwave oven clean. Food particles or spattered oils stuck to the oven walls or floor can cause paint damage and reduce the efficiency of the oven.

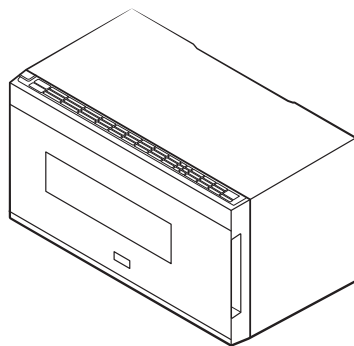
## SAVE THESE INSTRUCTIONS

# Setting up your new microwave oven

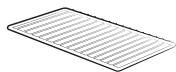
Be sure to follow these instructions closely so that your new microwave oven works properly.

## Checking the parts

Carefully unpack your microwave oven, and make sure you've received all the parts shown below. If your microwave oven was damaged during shipping, or if you do not have all the parts, contact the Samsung Call Center. (Refer to the **WARRANTY AND SERVICE INFORMATION** on page 39.)



Microwave oven



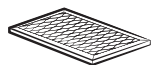
\* Shelf



\* Glass tray



\* Roller guide ring



\* Charcoal filter



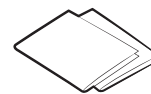
\* Exhaust adaptor



\* Hardware kit  
(Screws & Brackets)



Manuals  
(User & Installation)

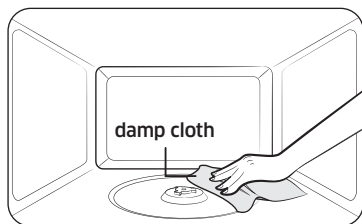


Templates  
(Top & Wall)

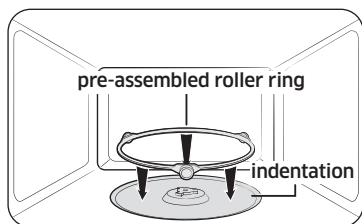
## NOTE

If you need an accessory marked with an \* (asterisk), please contact the Samsung Call Center using the phone number listed on the last page of this manual or visit our on-line parts web site at [www.samsungparts.com](http://www.samsungparts.com).

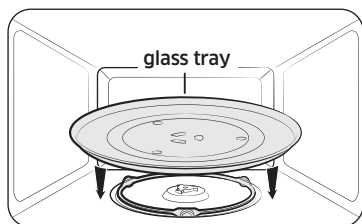
## Setting up your microwave oven



1. Open the door by pulling the handle on the right side of the door.
2. Wipe the inside of your microwave oven with a damp cloth.



3. Install the pre-assembled ring into the indentation at the center of the microwave oven.



4. Place the glass tray securely in the center of the pre-assembled roller ring.

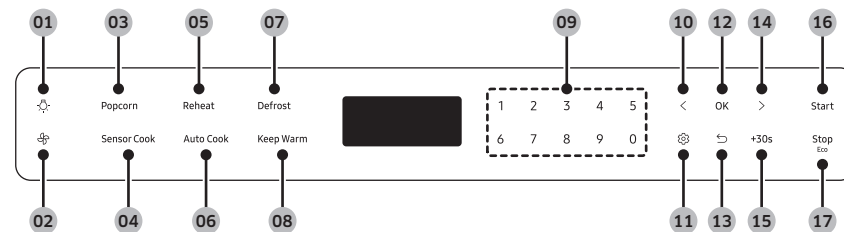
## Installing the metal shelf

When you need to use the Metal Shelf, place it on the plastic hooks inside your oven and make sure it is positioned properly to avoid electrical arcing that can damage your oven.

### ⚠ CAUTION

Make sure the shelf is positioned properly inside the microwave to prevent damage to the oven from arcing.

## Learning about the control panel



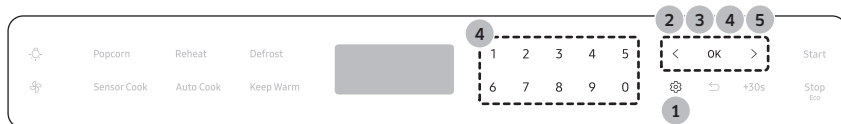
- 01 Cooktop Lamp Button (High/Low/Off)
- 02 Vent Fan Button (4 Speed & On/Off)
- 03 Popcorn Button
- 04 Sensor Cook Button
- 05 Reheat Button
- 06 Auto Cook Button
- 07 Defrost Button
- 08 Keep Warm Button
- 09 Number Pad

- 10 Left Button
- 11 Settings Button
- 12 OK Button
- 13 Back Button
- 14 Right Button
- 15 +30 sec Button
- 16 Start Button
- 17 Stop Eco Button

# Setting up your new microwave oven

## Set Date & Time

Your microwave oven is equipped with a built-in clock. Set date & time when first installing your microwave oven or after a power failure. The date & time is displayed whenever the microwave oven is not being used.



1. Touch the **Settings** button.
2. Touch < or > button until display shows **Date & Time**.
3. Touch the **OK** button and select Manual mode.

### NOTE

This guide is for manual mode. If you connect your microwave to SmartThings, the date & time can be updated automatically.

4. Use the **numeric** and **OK** buttons to enter month, day, year, hour, and minute.
5. For 12 hour display mode, touch < or > button to set AM or PM and then touch **OK** button.

## Turn Table (On/Off)



1. Touch the **Settings** button.
2. Touch < or > button until display shows **Turn Table**.
3. Touch the **OK** button.
4. Touch < or > and then touch **OK** button to set the function On/Off.

### NOTE

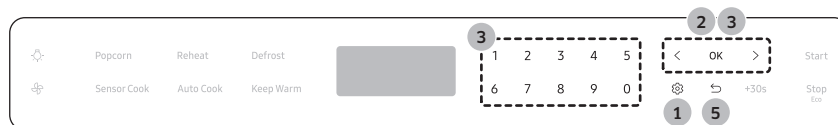
You can use this feature only on manual cooking mode. If the turntable does not rotate for an extended period of time, food may burn. For best cooking results, leave the turntable feature on.

### CAUTION

The turntable may become too hot to touch. Use pot holders to handle the turntable during and after cooking.

## Kitchen Timer

Your microwave has a built-in timer function - the **Kitchen Timer**. Use the Kitchen Timer for timing up to 99 minutes, 99 seconds.



1. Touch the **Settings** button.
2. Touch < or > button until display shows **Timer** and touch **OK** button.
3. Use **numeric** buttons to set the time of kitchen timer and then touch **OK** to start.
4. The display counts down, and then beeps when the time has elapsed.
5. To cancel the timer setting, touch the ↶ button.

## Child Lock

The **Child Lock** function allows you to lock all buttons so that the microwave oven cannot be operated by children accidentally.



### Activating

1. Touch the **Settings** button.
2. Touch **<** or **>** button until display shows **Lock**.
3. Touch the **OK** button.

### Deactivating

Touch and hold the **↶** button until the lock function is deactivated.

## Back Button

The **↶** button allows you to un-do the action you have just entered.

- To un-do the action you have just entered, touch the **↶** button and then reenter the instructions.
- To cancel a timer setting, touch the **↶** button.

## More/Less Feature

The more/less feature allows you to adjust the cooking time during manual cooking mode.

1. To add more cooking time during manual cooking mode, touch the **>** button. Each time you touch the **>** button, cooking time will be increased by 10 seconds.
2. To reduce cooking time during manual cooking mode, touch the **<** button. Each time you touch the **<** button, cooking time will be decreased by 10 seconds.

## Stop Button

The **Stop** button allows you to clear instructions you have entered. It also allows you to pause your microwave oven's cooking cycle, so that you can check the food.

- To pause the oven during cooking, touch the **Stop** button once. To restart, touch the **Start** button.
- To stop cooking, erase instructions, and return the oven display to the time of day, touch the **Stop** button twice.

## Eco Mode

**Eco Mode** reduces standby power usage. When you touch the **Stop Eco** button once, the display will go out and the microwave shifts to a mode which minimizes power usage. To cancel the **Eco mode**, touch any button.

## +30 sec

This feature offers a convenient way to increase cooking time in manual cooking mode.

1. In standby mode, touching **+30 sec** button will add 30 seconds of microwave mode.
2. If the oven is in manual cooking mode, touching **+30 sec** button will add cooking time by 30 seconds.

## Cooktop Lamp (High/Low/Off)

Touch the **Cooktop Lamp** button to turn the cooktop lamp on or off. Touch the button once for high, twice for low and three times to turn the cooktop lamp off.



# Setting up your new microwave oven

## Vent Fan (Boost/High/Medium/Low/Off)

The vent fan removes steam and other vapors that result from cooking on the cooktop below.

Touch the **Vent Fan** button once for boost fan, twice for high fan, three times for medium fan and four times for low fan speed. Touch the button five times to turn the fan off.

### NOTE

- The exhaust fan's speed may decrease when the oven's cooking function is activated.
- The Vent Fan protects the microwave from excess heat. It automatically turns on if it senses too much heat. If you have turned the fan on, you may find that you cannot turn it off. The fan will automatically turn off when the internal parts are cooled down. It may stay on for 30 minutes or more after the cooktop and microwave controls are turned off.

## System Settings

You can customize your new microwave oven to suit your preferences. To customize :



1. Touch the **Settings** button.
2. Touch **<** or **>** button to select a function you want to customize.
3. Touch the **OK** button.
4. Touch **<** or **>** button to select desired option.
5. Touch the **OK** button.

The functions and options are listed in the table below.

Function	Description	Options
My Pattern	The my pattern function can be turned on or off. It will let you see the most used cooking mode first on the display.	On
		Off

Function	Description	Options
Filter Remind	The filter remind function can be turned on or off.	On
		Off
Weight Unit	Weight option can display in either pounds or grams.	lb
		g
Sounds	The sound can be turned on or off.	On
		Off
Remind End Signal	The remind end signal can be turned on or off.	On
		Off
Screen Saver	Screen saver options are 15 min, 10 min and 5 min.	15 min
		10 min
		5 min
Use 24-hour format	The clock can display in either the 12 hr or 24 hr time mode.	12hr
		24hr
Language	You can choose the language of your microwave oven.	English
		Francais
Wi-Fi	The Wi-Fi function can be turned on or off.	On
		Off
Factory Reset	You can reset to factory default settings. All of the data will be erased permanently.	-

### NOTE

- If you change your mind while adjusting a setting, touch the **↶** button to go back, and then adjust the setting again.
- If there is a power interruption, you will need to reset these options.


- If the **Filter Remind** function is On, the microwave will remind you to clean or replace the grease filter every four months. When it is time to clean or replace the grease filter, the microwave displays the '**Filter**' message to remind you to clean or replace the grease filter. To remove the message, touch the number 0 when the microwave is in standby mode. If you don't want to receive this message, set the **Filter Remind** function Off in **System Settings**.

## Smart control

To use the microwave oven's Smart Control, you must download the SmartThings app to a mobile device.

Functions operated by the SmartThings app may not work smoothly if communication conditions are poor or the microwave oven is installed in a place with a weak Wi-Fi signal.

### How to connect the microwave oven

- Download and open the SmartThings app on your smart device.
- Follow the app's on-screen instructions to connect your microwave oven.
- To operate smart control function from the microwave oven, touch and hold **OK** button for 3 seconds.
- Once the process is complete, the  icon appears on your microwave oven display and the app will confirm you are connected.
- If the connection icon does not turn on, follow the instruction on the app to reconnect.

Microwave Oven remote control using the SmartThings app	
Microwave Oven Monitoring	Check the status of the microwave oven
Microwave Oven Remote Control	Remotely control vent fan speed/cooktop lamp

### NOTE

- For safety reasons, you cannot turn on the microwave oven remotely and you must specify the cooking time to enable remote control.
- Smart Control will not work properly if the Wi-Fi Connection is unstable.

## Voice control

To use the microwave oven's Voice Control function, you need Bixby / Amazon Alexa App /Google Assistant App on your mobile device.

### Bixby

Start conversation with Bixby on SAMSUNG mobile by saying "Hi Bixby" or by pressing the side key.

Function	OTR Bixby Command		
Turn Off/Stop	<ul style="list-style-type: none"> <li>Cancel the microwave</li> <li>Turn off the microwave</li> </ul>		
Check Time	<ul style="list-style-type: none"> <li>Check the remaining time of the microwave</li> <li>How much time is left on the microwave timer?</li> </ul>		
Check Status	<ul style="list-style-type: none"> <li>Check the microwave status</li> <li>Check the status of the microwave</li> </ul>		
MW Hood Control	<ul style="list-style-type: none"> <li>Turn On/Off the microwave hood light</li> <li>Turn On/Off hood power of microwave</li> <li>Turn On/Off hood fan of microwave</li> <li>Set the microwave hood fan speed to boost/high/mid/low</li> </ul>		
Send Auto Cook Recipe	<ul style="list-style-type: none"> <li>Cook pizza</li> <li>Heat pizza</li> <li>I want to cook pizza</li> <li>Can you cook pizza?</li> </ul>	<ul style="list-style-type: none"> <li>Cook pizza for 2</li> <li>Heat pizza for 2</li> <li>I want to cook pizza for 2</li> <li>Can you cook pizza for 2?</li> </ul>	<ul style="list-style-type: none"> <li>Cook 2 slices of pizza</li> <li>Heat 2 slices of pizza</li> <li>I want to cook 2 slices of pizza</li> <li>Can you cook 2 slices of pizza?</li> </ul>

# Setting up your new microwave oven

## Amazon Alexa & Google Assistant

Samsung smart home appliances are supported by SmartThings skill in Alexa & action in Google Assistant.

## Installation Guide

Here's how to link SmartThings account into Amazon Alexa or Google Assistant. SmartThings App and Alexa App (or Google Assistant App) Should be installed on your phone.

1. Setup the supported devices to SmartThings.
2. After device setup, tap + button on the screen.
3. Tap **Voice assistant** and link your Samsung account to Amazon Alexa. (or Google Assistant)
4. Check the devices are visible on Amazon Alexa app. Then account linking is complete. (Check the devices are visible and set the location(home&room) of devices in Google home app. Then account linking is complete.)

Function	'Alexa'	'OK Google'
Turn Off/Stop	<ul style="list-style-type: none"> <li>• Turn off the microwave</li> <li>• Stop the microwave</li> </ul>	<ul style="list-style-type: none"> <li>• Turn off the microwave</li> <li>• Stop the microwave</li> </ul>
Check Status	<ul style="list-style-type: none"> <li>• Is the microwave running?</li> <li>• Is the microwave on?</li> </ul>	<ul style="list-style-type: none"> <li>• Is the microwave running?</li> <li>• Is the microwave on?</li> </ul>
MW Hood Control	<ul style="list-style-type: none"> <li>• Turn On/Off the (hood light, hood lamp, lamp,light) on microwave</li> <li>• Turn On/Off the (hood light, hood lamp)</li> <li>• Set the microwave (brightness, light level, lamp level) to [low, high]</li> <li>• Turn On/Off the (hood, fan, hood fan) on microwave[device name]</li> <li>• Turn On/Off the (hood, hood fan)</li> <li>• Set the microwave (hood, fan, hood fan) speed to [low, medium, high, boost]</li> </ul>	<ul style="list-style-type: none"> <li>• Turn On/Off the microwave (light, lamp)</li> <li>• Turn On/Off the (hood light, hood lamp)</li> <li>• Set the microwave (brightness, light level, lamp level) to [low, high]</li> <li>• Turn On/Off the (hood, fan, hood fan) on microwave</li> <li>• Turn On/Off the (hood, hood fan)</li> <li>• Set the microwave (hood, fan, hood fan) speed to [low, medium, high, boost]</li> </ul>
Send Auto Cook Recipe	<ul style="list-style-type: none"> <li>• Cook pizza</li> <li>• Heat pizza</li> <li>• I want to cook pizza</li> <li>• Can you cook pizza?</li> </ul>	<ul style="list-style-type: none"> <li>• Cook pizza for 2</li> <li>• Heat pizza for 2</li> <li>• I want to cook pizza for 2</li> <li>• Can you cook pizza for 2?</li> <li>• Cook 2 slices of pizza</li> <li>• Heat 2 slices of pizza</li> <li>• I want to cook 2 slices of pizza</li> <li>• Can you cook 2 slices of pizza?</li> </ul>

## NOTE

- For safety reasons, you cannot turn on the microwave oven remotely.
- Below table is available menu for **Send Auto Cook Recipe** function.

Food	Amount	Instructions
Popcorn	3.0 oz	Cook only one microwave popcorn bag at a time. Be careful when removing the heated bag from the oven and opening it.
	3.5 oz	
Potatoes	2 potatoes	Pierce each potato several times with a fork. Place on the turntable in a spoke-like fashion. After cooking, let the potatoes stand for 3 - 5 minutes.
	4 potatoes	
Pizza	2 slices	Place pizza slices on a microwave-safe plate with the wide ends of the slices towards the outside edge of the plate. Do not let the slices overlap. Do not cover.
	4 slices	
Spinach	2 servings	Wash and clean the spinach. Place the spinach in a microwave safe bowl. Add 1 - 4 tablespoons of water (1 Tbsp per serving). Cover during cooking and stir afterwards.
	4 servings	
Brown Rice	1 serving	Place 0.5 cups brown rice + 1 cup water for 2 servings or 1 cup brown rice + 2 cups water for 4 servings in a microwave safe bowl. Stir well before and fluff with a fork afterwards. Let stand 5 minutes before serving.
	2 servings	
Fish Fillets	1 serving	Put the fresh fillets (cod, pollack, etc.) in a dish, and then cover with plastic wrap. Place the dish on the center of the turntable.
	2 servings	
Chicken Nuggets	1 serving	Place a paper towel on a plate and arrange the frozen nuggets in a spoke-like fashion on the paper towel. Do not cover. Let stand for a minute after heating.
	2 servings	



**NOTE**

Refer to the package directions for the serving size and the amount of food.

Food	Amount	Instructions
French Fries	1 serving	Place two paper towels on a microwave-safe plate and arrange the frozen french fries on the towels without letting them overlap. Blot the fries with additional paper towels after removing from the oven. Let stand for a minute.
	2 servings	
Melt Butter	1 stick	Remove the wrapping and cut the butter in half vertically. Place the butter in a dish and cover with wax paper. Stir well after finishing and let stand for 1 - 2 minutes.
	2 sticks	
Soften Cream Cheese	1 package	Unwrap the cream cheese and place on a microwave-safe container. Cut in half vertically. Let stand for 2 minutes.



**NOTE**

Refer to the directions on the packaging for the serving size and the amount of food.

## Auto connectivity

Auto Connectivity function lets you quickly connect the hood via Wi-Fi with a compatible Samsung cooktop after the hood and cooktop have been paired. To turn the function on, press the Auto Connectivity button in SmartThings App. To disconnect the hood and cooktop, press the Auto Connectivity button again. While the hood and cooktop are connected, the hood fan will automatically turn on when you turn on the cooktop. The hood fan will also turn off automatically when you turn off the cooktop.



**NOTE**

Auto connectivity function may not work normally when the temperature is set high.

# Using your microwave oven

## Microwave

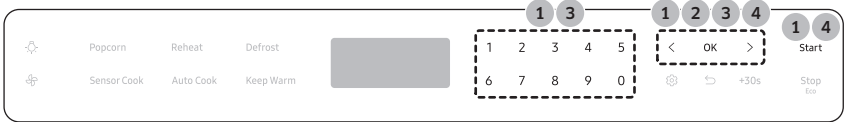
Your microwave oven allows you to set two different cooking stages, each with its own time length and power level. The power level lets you control the heating intensity from Warm (1) to High (10).

### Power levels

The 10 power levels allow you to choose the optimal power level for your cooking needs.

Power Level		Description	Power Level		Description
1	10	Warm	6	60	Simmer
2	20	Low	7	70	Medium high
3	30	Defrost	8	80	Reheat
4	40	Medium low	9	90	Saut�
5	50	Medium	10	100	High

### One-stage cooking



1. In standby mode, touch the **numeric** buttons to set a cooking time. You can enter a time from one second to 99 minutes and 99 seconds. If the display is showing cooking modes, touch **<** or **>** button until the display shows **Microwave** and then touch **OK** button. To select a time greater than 1 minute, enter the seconds too. (For example, to set a cooking time of 20 minutes, enter **2, 0, 0, 0**.) If you do not need to set the power level, just touch the **Start** button. The microwave will automatically operate at the High power level.
2. If you want to set the power level to a level other than High, touch the **OK** button.
3. Touch the **<** or **>** or **numeric** buttons that correspond to the power level you want to use.
4. Touch the **Start** button. If you want to add to or reduce the cooking time, use the **<** or **>** buttons. You can adjust the cooking time while the microwave oven is operating.

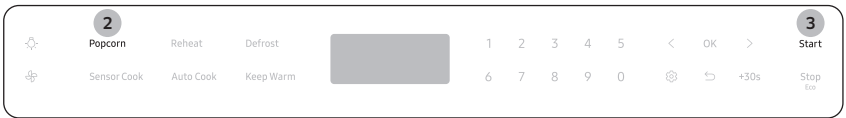
## Multi-stage cooking (maximum of 2 stages)

Your oven allows you to set two different cooking stages, each with its own time length and power level. The power level lets you control the heating intensity from Warm to High.

1. Follow steps 1, 2, and 3 from the **One-stage cooking** section.
2. Touch the **OK** button to move to the second stage.
3. Follow steps 1, 2, 3, and 4 from the **One-stage cooking** section.

## Popcorn

You can easily cook popcorn using the **Popcorn** button. You do not need to set either the cooking time or the power level.



1. Put a bag of unpopped popcorn on the tray.
2. Touch the **Popcorn** button.
3. Touch **Start** button. The microwave oven will automatically operate by sensing the popcorn inside. (3 - 3.5 OZ)

## Reheat

You can reheat foods easily using the Reheat button. You do not need to set either the cooking time or the power level.



1. Put the food on the tray.
2. Touch the **Reheat** button.
3. Select food item by touching < or > button.
4. Touch **OK** or **Start** button. The microwave oven will automatically operate by sensing the food inside.

Food	Amount	Directions
Casserole	1 - 4 servings	Cover the plate with a lid or vented plastic wrap. If the food is not as hot as you would like after using the <b>Sensor Cooking Reheat</b> function, continue heating using additional time and power. Stir the food once before serving. <b>Contents:</b> Casserole, refrigerated foods.
Dinner Plate	1 - 4 servings	Use only precooked, refrigerated foods. Cover the plate with vented plastic wrap or waxed paper tucked under the plate. If the food is not as hot as you would like after using the <b>Sensor Cooking Reheat</b> function, continue heating using additional time and power. <b>Contents:</b> 3 - 4 oz. meat, poultry or fish (up to 6 oz. with bone), ½ cup starch (potatoes, pasta, rice, etc.), ½ cup vegetables (about 3 - 4 oz).
Pasta	1 - 4 servings	Cover the plate with a lid or vented plastic wrap. If the food is not as hot as you would like after using the <b>Sensor Cooking Reheat</b> function, continue heating using additional time and power. Stir the food once before serving. <b>Contents:</b> Pasta - canned spaghetti and ravioli.

## Defrost

To thaw frozen foods, enter the weight of the food, and the microwave automatically sets the defrosting time, power level, and standing time.



1. Touch the **Defrost** button.
2. Touch the **numeric** buttons to directly enter the weight of the food. (0.1 - 6.0 lbs, 100 - 2700 gr. See below table)
3. Touch **OK** or **Start** button.
4. The oven will beep and the display will show **Turn the food over** during the defrosting process. Open the oven door, and turn the food over. If you do not turn the food over when **Turn the food over** is displayed, the microwave will continue until the end of cooking time.

Food	Amount	Instructions
Roast Beef, Pork	2.5 - 6.0 lbs.	Start with the food placed fat side down. After each stage, turn the food over and shield any warm portions with narrow strips of aluminum foil. Let stand, covered for 10 - 20 minutes.
Steaks, Chops, Fish	0.5 - 3.0 lbs.	After each stage, rearrange the food. If there are any warm or thawed portions of food, shield them with narrow, flat pieces of aluminum foil. Remove any pieces of food that are nearly defrosted. Let stand, covered for 5 - 10 minutes.
Ground Meat	0.5 - 3.0 lbs.	After each stage, remove any pieces of food that are nearly defrosted. Let stand, covered with foil for 5 - 10 minutes.

# Using your microwave oven

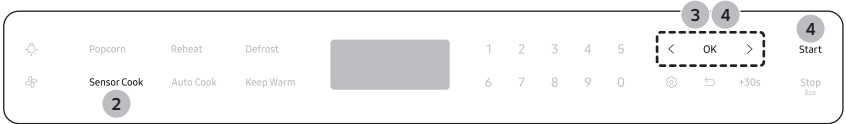
Food	Amount	Instructions
Whole Chicken	2.5 - 6.0 lbs.	Before freezing the poultry, remove the giblets. When you defrost the poultry, start defrosting with the breast side down. After the first stage, turn the chicken over and shield any warm portions with narrow strips of aluminum foil. After the second stage, again shield any warm portions with narrow strips of aluminum foil. Let stand, covered for 30 - 60 minutes in the refrigerator.
Chicken Pieces	0.5 - 3.0 lbs.	After each stage, rearrange or remove any pieces of food that are nearly defrosted. Let stand for 10 - 20 minutes.

## NOTE

Check the food when you hear the oven signal. After the final stage, small sections may still be icy; let them stand to continue the thawing process. The food is not defrosted until all ice crystals have melted. Shielding roasts and pieces of steak using small pieces of foil prevents the edges from being cooked before the center of the food has defrosted. Use narrow, flat, smooth strips of aluminum foil to cover edges and thinner sections of the food.

## Sensor Cook

The Sensor Cook buttons lets you cook favorite foods using preset power levels and times. If the food is not thoroughly cooked after using Sensor Cook feature, complete the cooking process by cooking the food for an additional amount of time.



1. Put the food on the tray.
2. Touch the **Sensor Cook** button.
3. Select food item by touching **<** or **>** button.
4. Touch **OK** or **Start** button. The microwave oven will automatically operate by sensing the food inside.

Category	Food	Amount	Instructions
Potato	-	1 - 6 potatoes.	Pierce each potato several times with a fork. Place on the turntable in a spoke-like fashion. After cooking, let the potatoes stand for 3 - 5 minutes. Let the microwave oven cool for at least 5 minutes before using it again.
Pizza	-	1 - 4 slices	Place 1 - 4 pizza slices on a microwave-safe plate with the wide ends of the slices towards the outside edge of the plate. Do not let the slices overlap. Do not cover. Let the microwave oven cool for at least 5 minutes before using it again.